

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"5229628".pn.	EPO; JPO; DERWENT	OR	OFF	2009/07/23 11:29
L2	1	"6468675" .pn.	EPO; JPO; DERWENT	OR	OFF	2009/07/23 11:30
L3	2	("4769292").PN. OR ("6853133").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/23 11:57
L4	68	(252/301.16).ccls. and tetracarboxy\$	US-PGPUB; USPAT	OR	ON	2009/07/23 12:02
L5	68	(252/301.16).ccls. and tetracarboxy\$	US-PGPUB; USPAT	OR	ON	2009/07/23 12:02
L6	27	(252/301.35).ccls. and tetracarboxy\$	US-PGPUB; USPAT	OR	ON	2009/07/23 12:04
L7	0	("428").ccls. and tetracarboxy \$	US-PGPUB; USPAT	OR	ON	2009/07/23 12:06
S1	1	"5629389".pn.	USPAT	OR	OFF	2009/02/10 15:24
S2	1	"5965281".pn.	USPAT	OR	OFF	2009/02/10 15:27
S3	3237	((phenylene with vinylene) or (aryl with vinylene)) and ((light with emitt\$3) or electroluminescent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/02/10 15:33
S4	3376	((phenylene with vinylene) or (aryl with vinylene)) and ((light with emitt\$3) or electroluminescent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/02/10 15:33
S5	6	((phenylene with vinylene) or (aryl with vinylene)) and ((light with emitt\$3) or electroluminescent) and (tetra with carbonyl)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/02/10 15:34
S7	189	((phenylene with vinylene) or (aryl with vinylene)) and electroluminescent and carbonyl	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/02/10 15:36

S8	11	(tetra with carbonyl) and electroluminescent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/02/10 15:43
S9	8	(tetrahydro and tetraone) and ((light with emitt\$3) or electroluminescent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/02/10 16:38
S10	3036	(phenylene with vinylene) and ((light with emitt\$3) or electroluminescent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/02/10 16:40
S11	2496	(phenylene adj vinylene) and ((light with emitt\$3) or electroluminescent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/02/10 16:40
S12	2	DTBT and ((light with emitt\$3) or electroluminescent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/02/10 16:41
S13	17	DTDT and ((light with emitt\$3) or electroluminescent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/02/10 16:41
S14	941	(initial with drop) and ((light with emitt\$3) or electroluminescent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/02/10 16:43
S15	98	(initial adj drop) and ((light with emitt\$3) or electroluminescent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/02/10 16:44
S16	2	("4769292").PN. OR ("6853133").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/10 17:17

S17	0	(initial with drop) near ((light with emitt\$3) or electroluminescent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/07/22 13:48
S18	38	(initial with drop) with ((light with emitt\$3) or electroluminescent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/07/22 13:49
S19	1	2006/0094859	US-PGPUB; USPAT	OR	OFF	2009/07/22 14:10
S20	1	"20060094859"	US-PGPUB; USPAT	OR	OFF	2009/07/22 14:11
S21	1151	biphenylene and electrolumin\$7	US-PGPUB; USPAT	OR	OFF	2009/07/22 14:20
S22	23	biphenylene with (emiss\$3 or lumin\$7) and electrolumin\$7	US-PGPUB; USPAT	OR	OFF	2009/07/22 14:21
S23	2996	(tetracarbonyl\$8 or \$5carbonyl\$7) and electrolumin\$7	US-PGPUB; USPAT	OR	ON	2009/07/22 15:21
S25	8	(tetracarbonyl\$8 or \$5carbonyl\$7) with additive and electrolumin\$7	US-PGPUB; USPAT	OR	ON	2009/07/22 15:22
S26	750	(tetracarbonyl\$8 or \$5carbonyl\$7) and electrolumin\$7 with efficien\$5	US-PGPUB; USPAT	OR	ON	2009/07/22 15:25
S27	4	(tetracarbonyl\$8 or \$5carbonyl\$7) and electrolumin\$7 with (efficien\$5 with drop)	US-PGPUB; USPAT	OR	ON	2009/07/22 15:25
S28	1	"7375462"	US-PGPUB; USPAT	OR	ON	2009/07/22 16:21
S29	76	tetracarboxylic\$ and ((initial or charging) with emission)	US-PGPUB; USPAT	OR	ON	2009/07/22 16:27
S30	62	tetracarboxylic\$ and ((initial or charging) with emission) and electrolumin\$8	US-PGPUB; USPAT	OR	ON	2009/07/22 16:28
S34	4783	tetracarboxylic\$ and efficien\$	US-PGPUB; USPAT	OR	ON	2009/07/22 16:35
S35	32	tetracarboxylic\$ with efficien\$	US-PGPUB; USPAT	OR	ON	2009/07/22 16:35
S36	27317	efficien\$ with drop	US-PGPUB; USPAT	OR	ON	2009/07/22 16:54
S37	19	efficien\$ with drop and electrolumin\$5	US-PGPUB; USPAT	OR	ON	2009/07/22 16:55

S41	63	(quinone adj polymer)	US-PGPUB; USPAT	OR	ON	2009/07/22 17:12
S43	1	"4792506".pn.	US-PGPUB; USPAT	OR	ON	2009/07/22 17:18
S45	2	"20050095453"	US-PGPUB; USPAT	OR	ON	2009/07/22 17:19
S46	2	"20070026257"	US-PGPUB; USPAT	OR	ON	2009/07/22 17:22
S48	2	"20070207347"	US-PGPUB; USPAT	OR	ON	2009/07/22 17:24
S49	1	"20060083945"	US-PGPUB; USPAT	OR	ON	2009/07/22 17:30
S50	99	(carbonyl with compound\$) and (efficiency with diodes)	US-PGPUB; USPAT	OR	ON	2009/07/22 17:38
S51	463	(carbonyl with compound\$) and (efficiency with emission)	US-PGPUB; USPAT	OR	ON	2009/07/22 17:46
S52	10	(carbonyl with compound\$) and (efficiency with initial with emission)	US-PGPUB; USPAT	OR	ON	2009/07/22 17:47
S54	1	"5150006".pn.	US-PGPUB; USPAT	OR	ON	2009/07/22 17:54
S55	930	(carbonyl with group) and (emission with efficiency)	US-PGPUB; USPAT	OR	ON	2009/07/22 17:56
S56	3	(carbonyl with group) with (emission with efficiency)	US-PGPUB; USPAT	OR	ON	2009/07/22 17:56
S58	1	"20070194701"	US-PGPUB; USPAT	OR	ON	2009/07/22 18:39
S59	1	"3287123".pn.	US-PGPUB; USPAT	OR	ON	2009/07/22 18:41
S60	1	"20020037428"	US-PGPUB; USPAT	OR	ON	2009/07/22 18:45
S61	1	"7368624".pn.	US-PGPUB; USPAT	OR	ON	2009/07/22 18:48
S62	1	"20060267004".pn.	US-PGPUB; USPAT	OR	ON	2009/07/22 19:05
S63	1	"20050274945".pn.	US-PGPUB; USPAT	OR	ON	2009/07/22 19:06
S65	2	(257/E51.031).ccls. and tetracarboxy\$	US-PGPUB; USPAT	OR	ON	2009/07/22 19:12
S66	8	(257/E51.031).ccls. and ppv	US-PGPUB; USPAT	OR	ON	2009/07/22 19:13
S67	0	(257/E51.049/E51.05).ccls. and ppv	US-PGPUB; USPAT	OR	ON	2009/07/22 19:14
S68	0	(257/E51.049/E51.05).ccls.	US-PGPUB; USPAT	OR	ON	2009/07/22 19:14
S69	101	(257/E51.05).ccls.	US-PGPUB; USPAT	OR	ON	2009/07/22 19:14

S70	10	(257/E51.05).cols. and tetracarbox\$	US-PGPUB; USPAT	OR	ON	2009/07/22 19:15
S71	1	DTBT and ttbt	US-PGPUB; USPAT	OR	ON	2009/07/22 19:16
S72	358	\$tetraone\$	US-PGPUB; USPAT	OR	ON	2009/07/22 19:17
S73	1	\$tetraone\$ and ppv	US-PGPUB; USPAT	OR	ON	2009/07/22 19:17
S74	21	\$tetraone\$ and arylene	US-PGPUB; USPAT	OR	ON	2009/07/22 19:18
S75	3	\$tetraone\$ and arylene and electrolumin\$	US-PGPUB; USPAT	OR	ON	2009/07/22 19:18
S76	29	(252/301.35).cols. and tetracarbox\$	US-PGPUB; USPAT	OR	ON	2009/07/22 19:23
S77	2943	ppv and (drop or (emission adj2 loss) or efficiency) and electrolumin\$7	US-PGPUB; USPAT	OR	ON	2009/07/22 19:28
S78	192	ppv with (drop or (emission adj2 loss) or efficiency) and electrolumin\$7	US-PGPUB; USPAT	OR	ON	2009/07/22 19:28
S79	2	(ppv with additive\$) with (drop or (emission adj2 loss) or efficiency) and electrolumin\$7	US-PGPUB; USPAT	OR	ON	2009/07/22 19:31
S80	0	(ppv with fused) with (drop or (emission adj2 loss) or efficiency) and electrolumin \$7	US-PGPUB; USPAT	OR	ON	2009/07/22 19:40
S81	0	(ppv with \$tetraone) with (drop or (emission adj2 loss) or efficiency) and electrolumin\$7	US-PGPUB; USPAT	OR	ON	2009/07/22 19:42
S82	0	( \$tetraone) with (drop or (emission adj2 loss) or efficiency) and electrolumin \$7	US-PGPUB; USPAT	OR	ON	2009/07/22 19:42
S83	6	( \$tetraone) and electrolumin \$7	US-PGPUB; USPAT	OR	ON	2009/07/22 19:42
S84	1	"6316591".pn.	US-PGPUB; USPAT	OR	ON	2009/07/22 19:56
S85	1	"5807945".pn.	US-PGPUB; USPAT	OR	ON	2009/07/22 19:59
S86	6309	(fused with ring\$) with (tetra \$5 or carbonyl)	US-PGPUB; USPAT	OR	ON	2009/07/23 08:48
S87	426	(fused with ring\$) with (tetra \$5 or carbonyl) and (light with emitting)	US-PGPUB; USPAT	OR	ON	2009/07/23 08:49
S88	105	(fused with ring\$) with (tetra \$5 or carbonyl) and (light with emitting) and drop	US-PGPUB; USPAT	OR	ON	2009/07/23 08:50

S89	1548	((phenylene with vinylene) or (aryl with vinylene)) and carbonyl	US-PGPUB; USPAT	AND	OFF	2009/07/23 09:07
S90	1	((phenylene with vinylene) or (aryl with vinylene)) near carbonyl	US-PGPUB; USPAT	AND	OFF	2009/07/23 09:07
S91	202	((phenylene with vinylene) or (aryl with vinylene)) same carbonyl	US-PGPUB; USPAT	AND	OFF	2009/07/23 09:07
S92	0	((phenylene with vinylene) or (aryl with vinylene)) same tetraone	US-PGPUB; USPAT	AND	OFF	2009/07/23 09:19
S93	0	((phenylene with vinylene) or (aryl with vinylene)) same tetraone	US-PGPUB; USPAT	AND	ON	2009/07/23 09:19
S94	0	((phenylene with vinylene) or (aryl with vinylene)) same \$tetraone	US-PGPUB; USPAT	AND	ON	2009/07/23 09:19
S95	0	((phenylene with vinylene) or (aryl with vinylene)) near \$tetraone	US-PGPUB; USPAT	AND	ON	2009/07/23 09:20
S96	0	((phenylene with vinylene) or (aryl with vinylene)) near (carboxylic adj3 dianhydride)	US-PGPUB; USPAT	AND	ON	2009/07/23 09:21
S97	0	((phenylene with vinylene) or (aryl with vinylene)) near dianhydride	US-PGPUB; USPAT	AND	ON	2009/07/23 09:24
S98	12	((phenylene with vinylene) or (aryl with vinylene)) same dianhydride	US-PGPUB; USPAT	AND	ON	2009/07/23 09:24
S99	166	((phenylene with vinylene) or (aryl with vinylene)) and dianhydride	US-PGPUB; USPAT	AND	ON	2009/07/23 09:24
S100	2	((phenylene with vinylene) or (aryl with vinylene)) and \$tetraone	US-PGPUB; USPAT	AND	ON	2009/07/23 09:33
S101	8	((SIMONE) near2 (VULTO)). INV.	EPO; JPO; DERWENT	OR	OFF	2009/07/23 09:35

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